

**METHOD AND APPARATUS FOR MIXING SLURRIES FOR USE IN
CHEMICAL MECHANICAL POLISHING PROCESSES**

Abstract of the Disclosure

5 A chemical delivery apparatus is provided. In one exemplary arrangement, the
apparatus comprises a first vessel having a body and a neck extending upwardly from
the body. The neck has a smaller cross-sectional area than the body. A fluid inlet is
provided near a top of the neck. A fluid outlet is provided near a bottom of the body. A
first sight tube port is provided near the top of the neck, and a second sight tube port is
provided near the bottom of the body. A sight tube is connected between the first and
10 second sight tube ports to indicate an amount of fluid in the first vessel. A first fluid
source selectively communicates with the first vessel through the fluid inlet of the first
vessel. A second vessel is also provided, comprising a fluid inlet and a fluid outlet. A
second fluid source selectively communicates with the second vessel through the fluid
inlet of the second vessel. A mix chamber selectively communicates with the first and
15 second vessels through the fluid outlets of the first and second vessels.

PATENT

W:\DOCS\TSM\TSM-2125.DOC
102601